Department Of Statistics And Informatics Research Projects For Fourth-Year Students Academic Year 2025–2026

No.	Academic Supervisor	Student Name	Graduation Project Title
1	Prof. Dr. Zakariya Yahya Nouri Yahya Al-Jamal	Mohammed Abdul Hadi Ahmed	Using Support Vector Regression to Predict Global Gold Prices
2	Prof. Dr. Hiyam Abdul Majeed Hayawi Qasim	Zainab Hussein Ali	Time Series Analysis of Gold Prices
3	Asst. Prof. Dr. Rikan Abdul Aziz Ahmed Abdul Rahman	Sarah Ahmed Ezz Al-Din	Bayesian Estimation of the Exponential Distribution Parameter under Different Loss Functions
4	Asst. Prof. Dr. Haifa Abdul Jawad Saeed Salim Al-Abdo	Shahad Ammar Hazzaa	Goodness-of-Fit Tests
5	Asst. Prof. Dr. Raya Salem Mohammed Ali Youssef Al-Rassam	Abdul Rahman Mahmoud Khalaf	Sequential Hypothesis Testing
6	Asst. Prof. Dr. Bashar Abdul Aziz Majeed Ali Al-Talib	Marwa Waleed Nazim	Estimation Methods in Principal Component Analysis: An Applied Study
7	Asst. Prof. Dr. Muzahim Mohammed Yahya Abdullah Al-Hashimi	Amina Ahmed Faiq	Analysis of Temporal Patterns of Rainfall and Their Relationship with Wind Speed
8	Asst. Prof. Dr. Osama Bashir Shukr Mahmoud Al-Hanoon	Safaa Dhnoon Mahmoud	Using Logistic Regression and Support Vector Machines (SVM) to Classify Climate Variables
9	Asst. Prof. Dr. Ban Ghanim Omar Ali Al-Ani	Zahir Habib Mustafa	Estimating the Operating Rate of Quantitative Variable Control Charts Using Maximum Likelihood: An Application
10	Asst. Prof. Dr. Najlaa Saad Ibrahim Ali Al-Sharabi	Firas Fadhil Khalaf	Modeling and Forecasting Iraq's Inflation Rate Using Box–Jenkins Models
11	Asst. Prof. Dr. Munaf Hazim Ahmed Matrood Al-Mawla	Rua Masad Nadhir	Estimating the Parameters of the Generalized Pareto Distribution Using Nonlinear Least Squares
12	Asst. Prof. Dr. Alaa Abdul Sattar	Bahaa Al-Din Ibrahim Hamed	Addressing Multicollinearity Using Ridge Regression
13	Asst. Prof. Dr. Safwan Nazim Rashid Khalil Al-Akash	Afnan Mohammed Ali	Using Different Estimation Methods to Estimate the Parameters of the Gamma Distribution
14	Asst. Prof. Dr. Omar Salem Ibrahim Amin Al-Hiyali	Noor Jasim Mohammed	Forecasting Daily Electrical Loads in the City of Mosul

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No.	Academic Supervisor	Student Name	Graduation Project Title
15	Lecturer Dr. Khalida Ahmed Mohammed Abdullah Al-Hamdani	Naktal Haseeb Majeed	Types of Chi-Square Tests: An Application
16	Lecturer Dr. Zeina Mudhir Yahya Abdullah Al-Bazzaz	Abbas Aziz Ghazi	Stochastic Inventory Modeling
17	Lecturer Dr. Zeina Mudhir Yahya Abdullah Al-Bazzaz	Rawan Saddam Abdul Fattah	Markovian Forecasting
18	Lecturer Dr. Mahmoud Mohammed Tahir Younis Ahmed Al-Abadi	Noor Abdul Samad Younis	Identifying the Most Important Factors Affecting Diabetes Diagnosis Using LASSO and Logistic Regression
19	Lecturer Dr. Wisam Waad Allah Salim Amin Al-Hiyali	Noor Hussein Hashim	Design of Experiments as a Statistical Methodology for Improving Predictive Model Efficiency: An Experimental Analysis
20	Lecturer Dr. Zaid Tariq Saleh Abbawi Al-Khalidi	Diaa Ali Ibrahim	Analyzing the Effect of Treatments on Cancer Patient Survival Using Resampling Methods: A Comparison of Bootstrap and Jackknife
21	Lecturer Dr. Mohammed Qasim Yahya Suleiman Al-Awjar	Hassan Safwan Zaid Rafiq	Applying Bayesian Inference Models to Earthquake Analysis
22	Lecturer Dr. Noor Nawzat Ahmed Sharif Sayala	Aya Jameel Ali	Classifying Students According to Study Patterns and Performance Using Cluster Analysis and Fuzzy Logic
23	Lecturer Dr. Omar Qusai Jasim Mohammed Al-Shibli	Musa Mohi Al-Din Hassan	Using a Poisson Regression Model to Identify the Main Factors Affecting Chronic Kidney Disease
24	Lecturer Khairi Badal Rashid Sadiq Al-Rashidani	Zainab Amer Najras	Applying Receiver Operating Characteristic (ROC) Analysis to Diagnose Patients with COVID-19
25	Lecturer Khairi Badal Rashid Sadiq Al-Rashidani	Fatima Mahir Mohammed	Using the Sobel Test to Evaluate the Mediating Variable in Structural Equation Modeling
26	Lecturer Hala Anas Abdul Majeed Abdul Hadi Al-Omari	Ahmed Karim Awwad	Variable Control Charts: An Application of the Moving Average and Moving Range Charts
27	Lecturer Israa Abdul Jawad Saleh Ahmed Al-Amin	Omar Mansour Hijab	The Effect of Outliers on Selecting the Best Variables
28	Lecturer Shaimaa Waleed Mahmoud Mohammed Borzan	Khattab Wameed Amjad	Using Maximum Likelihood to Estimate the Reliability Function of the Exponential Distribution
29	Lecturer Nada Nizar	Ashraf Abbas	A Comparative Study of Linear Discriminant Analysis

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No.	Academic Supervisor	Student Name	Graduation Project Title
		Mohammed	and Binary Logistic Regression
30	Lecturer Rehad Imad Sliwa Younan Shamouni	Sumaya Issam Ibrahim	Using the Kaplan–Meier Method in Survival Analysis to Compare Treatments for a Group of Cancer Patients
31	Lecturer Farah Abdul Ghani Younis Saleh Al-Obaidi	Nabaa Duraid Ghanim	A Comparative Study of Least Squares and Least Absolute Deviations for Estimating Linear Regression Model Parameters
32	Lecturer Farah Abdul Ghani Younis Saleh Al-Obaidi	Kanaan Salem Noah; Manaf Salem Aziz	Detecting and Treating Outliers
33	Lecturer Rafal Adeeb Othman Mahmoud Al-Hamdani	Rania Mohammed Ahmed	Statistical Process Control Using the Nonconforming Units (NP) Control Chart
34	Lecturer Rafal Adeeb Othman Mahmoud Al-Hamdani	Mohammed Abdul Hameed Abdul Majeed	Fitting a Time-Series Model for Forecasting Using Exponential Smoothing
35	Lecturer Hiba Suleiman Dawood Suleiman Al-Hafiz	Othman Qahtan Adnan	Applying a Cluster Analysis Method
36	Lecturer Naima Salem Fadhil Salim Al-Saffar	Atyaf Abdul Nasser Jamal	Using the ARIMA Model to Forecast Population Size
37	Lecturer Israa Najib Saeed Mahmoud Al-Sarraj	Anwar Muammar Mohammed	Classifying Patients with Renal Failure Using Support Vector Machines
38	Assistant Lecturer Talal Abdul Razzaq Saeed Sultan Al-Hasso	Tamara Saad Fadhil	Using the Least Squares Method to Determine the General Trend Line Equation
39	Assistant Lecturer Sura Mohammed Jamal Al-Din Hussein	Omar Mushriq Yaseen	Studying Factors Affecting Patients with Heart Disease Using Logistic Regression
40	Assistant Lecturer Hind Adel Ahmed Saeed Qassab Bashi	Awan Ali Hussein	Generalizing the Rayleigh Distribution Using the Top-Leone Family and Studying Its Properties
41	Assistant Lecturer Nora Suhail Ismail Fathallah Hawa	Basma Mishaan Humaidi	A Study of Some Factors Affecting Diabetes
42	Assistant Lecturer Hussam Waleed Yaseen Murad Al-Mawla	Amina Maan Ahmed	Estimating Weibull Regression Model Parameters Using Maximum Likelihood
43	Assistant Lecturer Mohammed Ibrahim Othman Mohammed Mardini	Zahraa Ali Aziz	Survival Modeling Using the Weibull Distribution for Primary Liver Cancer Data